

Introduction

The movies to presented below have been originally made on super-8 Kodak film over the years 1968-1989. They were digitized and slightly edited. Some parts were copied and some removed to constitute short separate movies, for instance the visit of William Fairbank and of Brooks Harris at Duke, and Horst Meyer's visit to Harvard.

The descriptions for the movies were written to identify the people therein. The location of the former members of the LTM (Low Temperature Meyer) group can be obtained by visiting <http://www.phy.duke.edu/%7Ehm/LTM/lm.html>

The movies are best viewed simultaneously on the computer screen together with the descriptions, by placing them side by side.

Nov.9, 2011

LTM movie 1968-1974

Time on movie, Events, date.

People identification in order of their first appearance.

00:00 Duke PhD graduation, May 1969

Dawn Thompson, Jim Thompson

Jim Thompson, Dietolf Ramm, Larry Amstutz, fresh PhD's.

00:30 Party at the Meyer's home on Anderson Street, complete with Guru, inspired by the cartoon "Peanuts" by Schulz, 1968.

Foreground: Jim Henderson, Lucy Roberts, Hartmut Ramm

Fred Weinhaus, Tanja Peterlin (a BSc in Physics at Duke), Ray Brown

In the back Peter McClintock, waving, (PhD Oxford, postdoc of H. Fairbank and future Professor at U. of Lancaster) and Bernie Wallace., then more to the left with dark red hair: Marion Mc Clintock. With the McClintocks: Magnus Jan "John" Krinski, Chair of the Slavic Dept at Duke U.

00:54 Hartmut Ramm with necklace. To left of Henderson, Dawn and Jim Thomson and to their left Rose and Ed Morgan (lab technician and helper in the Advanced Lab course 217, 218)

01:14 Lucy Roberts

01:38 Larry Amstutz (with white flower on his ear)

01:46 Wife of Raymond Brown – she was at the Duke Medical School.

01:55 Guru : Horst Meyer (filmed by Jim Henderson)

02:52 Gisbert Winnewisser (a PhD student of W. Gordy) holding glass

03:00 Ruth Mary Meyer

03:37 Ed Morgan with Ruth Mary

Lab scenes – showing that life is not too serious!. (1969 to 1970)

03:47 Workshop with Ed Morgan

04:08 Henderson in his office

04:30 John Jarvis with scope and electronic board

04:48 IBM punch card data recording

05:00 Amstutz in his lab with recording equipment

05:16 Dietolf Ramm on his desk reading Wall Street Journal, View of lab equipment

05:44 Sam Myers, Thompson and Amstutz examining charts

06:05 Lab technician help –forgot his name

06:11 Collins Helium liquefier running

06:21 Hartmut and Dietolf Ramm, Larry Amstutz

Hartmut Ramm relaxing with a beer, joking

06:41 Sam Myers behind a crystal model

07:11 Bernie Wallace – with confederate flag – on his desk with charts and graphs

07:35 Liquid Nitrogen container with emerging Robert Guyer –theorist, postdoc and future Asst Prof at Duke, then Assoc. Prof at U. Mass.

07:42 Jim Henderson mounting and soldering wires on his cryostat

08:16 Lucy Roberts, a BSc Physics major working with NMR equipment. There is an invaluable piece of equipment, the Robinson oscillator, an almost cubic aluminum box with a black knob and dial, which served in numerous experiments on solid hydrogen.

09:19 Spoof of “No contract, no work “ on the graduate student working conditions. Mock burning of draft cards.

09:46 New: Gary Feichtinger, a Physics BSc major.

09:50 Civil rights scene on a Sunday before Duke Chapel “We shall overcome”

10:26 With sunglasses: Bronislaw Jezierski.

10:51 :In light jacket , dark hair : Reynolds Price

11:40 Brooks Harris (PhD Harvard) in Horst Meyer’s office (1970) Visit for collaboration.

12:18 Portrait of James Franck

Lab scenes

12:35 Data taking in lab: Raymond Brown, his wife with cigarette.

13:08 Hartmut Ramm showing Marxist literature

13:28 Gregory Goellner working on circuitry

13:50 Paul Pedroni with the Marchand calculator

14:40 Undergrad working on cryostat ...forgot his name – a Dutch name

15:03 Bruno Maraviglia, NATO Fellow from Florence, and future Professor at the University of Rome, transferring helium by squeezing rubber bladder, watched by Fred Weinhaus.

16:08 Greg Goellner on lathe

16:15 Preparations for dinner in the Meyer's home on Montgomery Street:

Weinhaus, Maraviglia, Ed Morgan, Jim and Connie Henderson, Mrs Haas, secretary. Connie petting the Meyer cat, Mietze.

Richard Meyer, in pajama, makes short appearance. Jerry Harris

18:06 Birthday party for Ed Morgan in the lab.

David Roe, Bob Behringer, David Haase, Mrs Haas. Fred Weinhaus, Jerry Harris

Lab scenes

19:10 Raymond Brown , Bob Behringer Greg Goellner working on charts, David Roe.

19:50 Rene Wanner (PhD U. Alberta) Duke Postdoc, preparing for acoustic measurements

20:40 David Haase (with pipe) working with Paul Pedroni on high pressure NMR in solid hydrogen.

21:21 Ted Doiron sitting at his desk.

21:38 David Roe assembling an acoustic cell

22:13 Robert Buzerak with heat gun warming up his cryostat.

22:34 David Roe enjoying a cigarette

22:41 Rudy Schweizer

23:00 Eberhard Riedel, Assistant Prof, theorist, visits the lab. Curve fitting by Doiron, Behringer with Riedel watching.

23:38 Ed Morgan on his lathe

24:00 LTM cookout (~ 1975) in Duke Forest, with volley ball game:

Ed Morgan and wife Rose, Dave Haase and wife, Mike Ryschkewitch and wife Caroline, Bob and Sue Behringer, Akira and Yoshiko Ikushima, children Akiko and Satoshi, Moses Chan, wife Judy and baby Linus, Doiron and wife Lisa, David Roe. Ruth Mary Meyer holding baby Linus, Eberhard Riedel

28:00 Akira Ikushima designing and then assembling acoustic cell .

